

# 7 B8

OIPE

2.6-02

## RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/902,713B

TIME: 20:11:29

Input Set : N:\jumbos\902713B.txt

Output Set: N:\CRF3\01152002\I902713B.raw

PS

3 <110> APPLICANT: Genentech, Inc.  
4 Ashkenazi, Avi  
5 Botstein, David  
6 Desnoyers, Luc  
7 Eaton, Dan L.  
8 Ferrara, Napoleone  
9 Filvaroff, Ellen  
10 Fong, Sherman  
11 Gao, Wei-Qiang  
12 Gerber, Hanspeter  
13 Gerritsen, Mary E.  
14 Goddard, A.  
15 Godowski, Paul J.  
16 Grimaldi, Christopher J.  
17 Gurney, Austin L.  
18 Hillan, Kenneth, J.  
19 Kljavin, Ivar J.  
20 Mather, Jennie P.  
21 Pan, James  
22 Paoni, Nicholas F.  
23 Roy, Margaret Ann  
24 Stewart, Timothy A.  
25 Tumas, Daniel  
26 Williams, P. Mickey  
27 Wood, William, I.  
29 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
30 Acids Encoding the Same  
32 <130> FILE REFERENCE: 10466-14  
C--> 34 <140> CURRENT APPLICATION NUMBER: US/09/902,713B  
C--> 35 <141> CURRENT FILING DATE: 2001-12-18  
37 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414  
38 <151> PRIOR FILING DATE: 2000-02-22  
40 <150> PRIOR APPLICATION NUMBER: US 60/143,048  
41 <151> PRIOR FILING DATE: 1999-07-07  
43 <150> PRIOR APPLICATION NUMBER: US 60/145,698  
44 <151> PRIOR FILING DATE: 1999-07-26  
46 <150> PRIOR APPLICATION NUMBER: US 60/146,222  
47 <151> PRIOR FILING DATE: 1999-07-28  
49 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594  
50 <151> PRIOR FILING DATE: 1999-09-08  
52 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944  
53 <151> PRIOR FILING DATE: 1999-09-13  
55 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090  
56 <151> PRIOR FILING DATE: 1999-09-15  
58 <150> PRIOR APPLICATION NUMBER: PCT/US99/21547  
59 <151> PRIOR FILING DATE: 1999-09-15  
61 <150> PRIOR APPLICATION NUMBER: PCT/US99/23089

## RAW SEQUENCE LISTING

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Input Set : N:\jumbos\902713B.txt

Output Set: N:\CRF3\01152002\I902713B.raw

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65 <151> PRIOR FILING DATE: 1999-11-29  
67 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313  
68 <151> PRIOR FILING DATE: 1999-11-30  
70 <150> PRIOR APPLICATION NUMBER: PCT/US99/28564  
71 <151> PRIOR FILING DATE: 1999-12-02  
73 <150> PRIOR APPLICATION NUMBER: PCT/US99/28565  
74 <151> PRIOR FILING DATE: 1999-12-02  
76 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095  
77 <151> PRIOR FILING DATE: 1999-12-16  
79 <150> PRIOR APPLICATION NUMBER: PCT/US99/30911  
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84 <150> PRIOR APPLICATION NUMBER: PCT/US00/00219  
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93 <213> ORGANISM: Homo sapiens  
95 <400> SEQUENCE: 1  
96 actgcacctc ggttctatcg attgaattcc ccggggatcc tctagagatc cctcgacctc 60  
97 gacccacgcg tccgggcccg agcagcacgg ccgcaggacc tggagctccg gctgcgtctt 120  
98 cccgcagcgc taccgccat gcgcctgccg cgcggggccg cgctggggct cctgccgctt 180  
99 ctgctgctgc tgcgcgccgc gccggaggcc gccaaagaag cgacgccctg ccaccgggtg 240  
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101 ggcgggaaca cggcttggga ggaaaagacg ctgtccaagt acgagtcag cgagattcgc 360  
102 ctgctggaga tcttgaggg gctgtgcgag agcagcgact tcgaatgcaa tcagatgcta 420  
103 gaggcgcagg aggagcacct ggaggcctgg tggctgcagc tgaagagcga atatcctgac 480  
104 ttattcgagt ggttttgtgt gaagacactg aaagtgtgct gctctccagg aacctacggt 540  
105 cccgactgtc tcgcatgcc a gggcggatcc cagaggccct gcagcgggaa tggccactgc 600  
106 agcggagatg ggagcagaca gggcgacggg tctgcccgt gccacatggg gtaccagggc 660  
107 ccgctgtgca ctgactgcat ggacggctac ttcagctcgc tccggaacga gaccacagc 720  
108 atctgcacag cctgtgacga gtcccgcaag acgtgctcgg gcctgaccaa cagagactgc 780  
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111 acgtgcgaag agtgtgactc cagctgtgtg ggctgcacag gggaaggccc aggaaactgt 960  
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113 tactagcag aaaaaacctg tgtgaggaaa aacgaaaact gctacaatac tccagggagc 1080  
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119 ttgatacagt tctttgtaat aaaattgacc attgtaggta atcaggagga aaaaaaaaaa 1440  
120 aaaaaaaaaa aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500  
121 gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca tcacaaattt 1560

## RAW SEQUENCE LISTING

DATE: 01/15/2002

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Input Set : N:\jumbos\902713B.txt

Output Set: N:\CRF3\01152002\I902713B.raw

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122 cacaaataaa gcattttttt cactgcattc tagttgtggt ttgtccaaac tcatcaatgt 1620
123 atcttatcat gtctggatcg ggaattaatt cggcgcagca ccatggcctg aaataacctc 1680
124 tgaaagagga acttggttag gtaccttctg aggcggaaaag aaccagctgt ggaatgtgtg 1740
125 tcagttaggg tgtggaaagt ccccaggctc cccagcaggc agaagtatgc aagcatgcat 1800
126 ctcaattagt cagcaaccca gttttt 1825
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129 <211> LENGTH: 353
130 <212> TYPE: PRT
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 2
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135 1 5 10 15
137 Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro Cys His
138 20 25 30
140 Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met Val Asp Thr
141 35 40 45
143 Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp Glu Glu Lys Thr
144 50 55 60
146 Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu Leu Glu Ile Leu Glu
147 65 70 75 80
149 Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys Asn Gln Met Leu Glu Ala
150 85 90 95
152 Gln Glu Glu His Leu Glu Ala Trp Trp Leu Gln Leu Lys Ser Glu Tyr
153 100 105 110
155 Pro Asp Leu Phe Glu Trp Phe Cys Val Lys Thr Leu Lys Val Cys Cys
156 115 120 125
158 Ser Pro Gly Thr Tyr Gly Pro Asp Cys Leu Ala Cys Gln Gly Gly Ser
159 130 135 140
161 Gln Arg Pro Cys Ser Gly Asn Gly His Cys Ser Gly Asp Gly Ser Arg
162 145 150 155 160
164 Gln Gly Asp Gly Ser Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu
165 165 170 175
167 Cys Thr Asp Cys Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr
168 180 185 190
170 His Ser Ile Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly
171 195 200 205
173 Leu Thr Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp
174 210 215 220
176 Glu Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
177 225 230 235 240
179 Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr Cys
180 245 250 255
182 Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly Pro Gly
183 260 265 270
185 Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His Gly Gln Cys
186 275 280 285
188 Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr Cys Val Arg Lys
189 290 295 300
191 Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr Val Cys Val Cys Pro

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Input Set : N:\jumbos\902713B.txt

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192 305          310          315          320
194 Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys Val Pro Pro Ala Glu Ala
195          325          330          335
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204 <211> LENGTH: 2206
205 <212> TYPE: DNA
206 <213> ORGANISM: Homo sapiens
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211 aacagccctg gctgagggag ctgcagcgca gcagagtatc tgacggcgcc aggttgcgta 180
212 ggtgcggcac gaggagtttt cccggcagcg aggaggctct gagcagcatg gcccgaggga 240
213 gcgccttccc tgccgccgcg ctctggctct ggagcatcct cctgtgcttg ctggcactgc 300
214 gggcgaggcg cgggccgccg caggaggaga gcctgtacct atggatcgat gctcaccagg 360
215 caagagtact cataggattt gaagaagata tcctgattgt ttcagagggg aaaatggcac 420
216 cttttacaca tgatttcaga aaagcgcaac agagaatgcc agctattcct gtcaatatcc 480
217 attccatgaa ttttacctgg caagctgcag ggcaggcaga atacttctat gaattcctgt 540
218 ccttgcgctc cctggataaa ggcacatgag cagatccaac cgtcaatgtc cctctgctgg 600
219 gaacagtgcc tcacaaggca tcagttgttc aagttggttt cccatgtctt ggaaaacagg 660
220 atgggggtggc agcatttgaa gtggatgtga ttgttatgaa ttctgaaggc aacaccattc 720
221 tccaaacacc tcaaaatgct atcttcttta aaacatgtca acaagctgag tgcccaggcg 780
222 ggtgccgaaa tggaggcttt tgtaatgaaa gacgcatctg cgagtgtcct gatgggttcc 840
223 acggacctca ctgtgagaaa gccctttgta ccccacgatg tatgaatggg ggaactttgtg 900
224 tgactcctgg tttctgcatc tgcccacctg gattctatgg agtgaactgt gacaaaagcaa 960
225 actgctcaac cacctgcttt aatggaggga cctgtttcta ccctggaaaa tgtatttgcc 1020
226 ctccaggact agagggagag cagtgtgaaa tcagcaaatg cccacaaccc tgcgaaatg 1080
227 gaggtaaatg cattggtaaa agcaaatgta agtgttccaa aggttaccag ggagacctct 1140
228 gttcaaagcc tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaacccaaca 1200
229 aatgccaatg tcaagaaggc tggcatggaa gacactgcaa taaaaggtag gaagccagcc 1260
230 tcatacatgc cctgaggcca gcaggcgccc agctcaggca gcacacgcct tcacttaaaa 1320
231 aggccgagga gcggcgggat ccacctgaat ccaattacat ctggtgaact ccgacatctg 1380
232 aaacgtttta agttacacca agttcatagc ctttgtaaac ctttcatgtg ttgaatgttc 1440
233 aaataatggt cattacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
234 actgagctga tatttactct tccttttaag ttttctaagt acgtctgtag catgatggta 1560
235 tagattttct tgtttcagtg ctttgggaca gattttatat tatgtcaatt gatcaggtta 1620
236 aaattttcag tgtgtagtgt gcagatatct tcaaaattac aatgcattta tgggtgtctg 1680
237 gggcagggga acatcagaaa ggttaaattg ggcaaaaatg cgtaagtcac aagaatttgg 1740
238 atggtgcagt taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
239 ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata tattttgacc 1860
240 ttaccattat tccagagatt cagtattaaa aaaaaaaaaa ttacactgtg gtagtggcat 1920
241 ttaaacaata taatatattc taaacacaat gaaataggga atataatgta tgaacttttt 1980
242 gcattggcctt gaagcaatat aatatattgt aaacaaaaca cagctcttac ctaataaaca 2040
243 ttttatactg tttgtatgta taaaataaag gtgctgcttt agttttttgg aaaaaaaaaa 2100
244 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgccgcg gactctagag tcgacctgca 2160
245 gaagcttggc cgccatggcc caacttgttt attgcagctt ataatg 2206
247 <210> SEQ ID NO: 4

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## RAW SEQUENCE LISTING

DATE: 01/15/2002

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TIME: 20:11:29

Input Set : N:\jumbos\902713B.txt

Output Set: N:\CRF3\01152002\I902713B.raw

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248 <211> LENGTH: 379
249 <212> TYPE: PRT
250 <213> ORGANISM: Homo sapiens
252 <400> SEQUENCE: 4
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256 Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln
257           20           25           30
259 Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu
260           35           40           45
262 Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala
263           50           55           60
265 Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile
266           65           70           75           80
268 Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln
269           85           90           95
271 Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly
272           100          105          110
274 Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro
275           115          120          125
277 His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln
278           130          135          140
280 Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu
281          145          150          155          160
283 Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr
284           165          170          175
286 Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys
287           180          185          190
289 Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His
290           195          200          205
292 Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys
293           210          215          220
295 Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
296          225          230          235          240
298 Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys
299           245          250          255
301 Phe Tyr Pro Gly Lys Cys Ile Cys Pro Pro Gly Leu Glu Gly Glu Gln
302           260          265          270
304 Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys
305           275          280          285
307 Ile Gly Lys Ser Lys Cys Lys Cys Ser Lys Gly Tyr Gln Gly Asp Leu
308           290          295          300
310 Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys
311          305          310          315          320
313 His Glu Pro Asn Lys Cys Gln Cys Gln Glu Gly Trp His Gly Arg His
314           325          330          335
316 Cys Asn Lys Arg Tyr Glu Ala Ser Leu Ile His Ala Leu Arg Pro Ala
317           340          345          350
319 Gly Ala Gln Leu Arg Gln His Thr Pro Ser Leu Lys Lys Ala Glu Glu

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Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 01/15/2002

PATENT APPLICATION: US/09/902,713B

TIME: 20:11:30

Input Set : N:\jumbos\902713B.txt

Output Set: N:\CRF3\01152002\I902713B.raw

L:34 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:35 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50  
L:3586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113  
L:4040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131  
L:5344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174  
L:5479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175  
L:6540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206